

January 15, 2017

Chief, Multimedia Permits and Compliance Branch
Caribbean Environmental Protection Division
U.S. Environmental Protection Agency, Region 2
City View Plaza II, Suite 7000
48 RD. 165 Km. 1.2
Guaynabo, Puerto Rico 00968-8069

RE: Administrative Order on Consent Docket Number CWA-02-2015-3102 –
Compliance with AOC Section VII, ¶77 8th Quarterly Progress Report

Dear Jose:

On March 18, 2015 AES Puerto Rico LP (“AES-PR”) and the United States Environmental Protection Agency (“EPA”) entered into the above referenced Administrative Order on Consent (“AOC”), under which AES-PR is obligated to comply with certain requirements (AOC Section VII, Ordered Provisions). All capitalized terms in this letter shall have the meaning as defined in the AOC.

Under AOC Section VII ¶77, Until Termination of this Order, Respondent shall prepare and submit Quarterly Progress Reports (QPR) that describe the current status and progress of Respondent’s actions taken to comply with the provisions of this Order.

In compliance with the new AOC requirement, AES-PR hereby submits the required QPR for Q-4 2016 as an attachment to this letter.

We respectfully ask EPA to advise AES-PR promptly, should the agency have any concerns with this submission. Should AES-PR not receive any timely comments from EPA, we will reasonably consider that EPA has agreed that AES-PR has satisfied this requirement of AOC Section VII, ¶77 in full. Should EPA require additional time to review and provide comments back to AES-PR, that review time is of course entirely beyond the control of AES-PR and should be added to the required time frame for AES-PR to comply with this requirement.

Regards,



Manuel Mata
President AES Puerto Rico
Attachments

**Administrative Order on Consent
AES Puerto Rico Coal Fired Power Plant
Docket Number CWA-02-2015-3102
NPDES Tracking Number PRU020663**

Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."



Manuel Mata
President AES Puerto Rico

January 16/2017
Date

Quarterly Progress Report (QPR)

No. 8

**Administrative Compliance Order
AES-PR Coal Fired Power Plant
Docket Number CWA-02-2015-3102**

January 13, 2017

AES Puerto Rico, LP (AES-PR) is hereby submitting to the United States Environmental Protection Agency (USEPA) this Quarterly Progress Report (QPR) in accordance with Provision 77 of the Administrative Compliance Order (ACO), Docket Number CWA-02-2015-3102.

Milestones and Activities

This reporting period covers the actions taken from **October 1, 2016** to **December 31, 2016**. During this reporting period AES-PR completed a number of actions towards meeting the Provisions of this ACO, including:

1- Ordered Provision 68 - Upon the Effective Date of this Order and for a period of one year, Respondent shall conduct benchmark monitoring and analyze samples according to Part 6.1.3 (measurable storm event), Part 6.1.4 (sample type), Part 6.1.5 (adverse weather condition), Part 6.1.7 (monitoring periods), Part 6.2.1.1 (applicability of benchmark monitoring), Part 6.2.1.2 (benchmark monitoring schedule), Part 8.O.7 (sector-specific benchmark for steam electric power generating facilities) and Part 8.Q.6 (sector-specific for water transportation) of the MSGP. Also, Respondent shall:

- a. monitor at least once at the permanent sampling points 001, 002, and 003 (SP-001, SP-002, and SP-003, respectively) in each of the following 3-month intervals: January 1 – March 31; April 1 – June 30; July 1 – September 30; and October 1 – December 31;**
 - b. analyze the samples for total aluminum, total iron, total lead and total zinc;**
 - c. document monitoring activities and laboratory reports for each sampling point; and**
 - d. prepare MDMR forms within thirty (30) days of receiving the laboratory results. Respondent shall use the MDMR available at the EPA's web site at <http://water.epa.gov/polwaste/npdes/stormwater/>.**
-

Quarterly Progress Report (QPR) No. 8
Administrative Compliance Order
AES-PR Coal Fired Power Plant
Docket Number CWA-02-2015-3102

AES-PR personnel monitored permanent sampling points 001, 002, and 003 during **October 1 – December 31, 2016**. Samples were analyzed for total aluminum, total iron, total lead and total zinc. Discharge monitoring reports for sampling points are showed in **Attachment 1**.

Attachment 2 shows the summary of benchmark monitoring results for the three storm water outfalls during the fourth quarter of 2016. The results for sampling points 002 and 003 showed values lower than benchmark during this period. This means that no BMP modifications were necessary at the corresponding drainage areas because in-place controls appear to be effective.

Monitoring results from sampling point #001 located at the dock area, showed aluminum and zinc values slightly above benchmark. As a corrective action, the storm water piping collection system was inspected and cleaned. Felt filter bags were also installed in all storm water inlets located at the dock area. Filtration felt is a low cost disposable media with particle retention from 1 to 200 microns. It has depth filtration qualities and high solids loading capacity. These filters will be used as a preventive measure in order to protect the storm water collection system and ensure that no solid traces accumulate in the system.

Corrective action documentation is provided in **Attachment 3**. During the next reporting period, AES will continue conducting benchmark monitoring and sampling as required in AOC provision 68.

Quarterly Progress Report (QPR) No. 8
Administrative Compliance Order
AES-PR Coal Fired Power Plant
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2- Additional Actions Taken

AES-PR is submitting with this QPR documentation of the compliance activities completed during this period (**Attachment 3**). Inspections were documented and records kept with the Stormwater Pollution Prevention Plan. All routine inspections and corrective actions for the **October 1, 2016 to December 31, 2016** period were completed, documented and are being submitted with this report.

Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."



Manuel Mata
Plant Manager

ATTACHMENT 1

Discharge Monitoring Report

DMR Copy of Record

Permit		Permittee:		Facility:	
Permit #:	PRR05003	AES PUERTO RICO, LP		AES PUERTO RICO, L.P.	
Major:	No	Road #3 km. 142 Jobos Ward		ROAD #3 KM. 142 JOBOS WARD	
		Guayama, PR 00784		GUAYAMA, PR 00784	
Permitted Feature:		Discharge:			
001 External Outfall		001-O1			
		Steam Electric Generating Facilities			
Report Dates & Status					
Monitoring Period:		DMR Due Date:		Status:	
From 10/01/16 to 12/31/16		02/28/17		NetDMR Validated	
Considerations for Form Completion					
Principal Executive Officer					
First Name:		Title:		Telephone:	
Manuel		Plant Manager		787-866-3117	
Last Name:		No Data Indicator (NODI)			
Mata					
Form NODI:					
Parameter Code	Monitoring Location	Season #	Param. NODI	Quantity or Loading	Quality or Concentration
				Qualifier 1 Value 1	Qualifier 2 Value 1
				Qualifier 1 Value 2	Qualifier 2 Value 2
				Qualifier 1 Value 3	Qualifier 2 Value 3
				Qualifier 1 Value 4	Qualifier 2 Value 4
				Qualifier 1 Value 5	Qualifier 2 Value 5
				Qualifier 1 Value 6	Qualifier 2 Value 6
				Qualifier 1 Value 7	Qualifier 2 Value 7
				Qualifier 1 Value 8	Qualifier 2 Value 8
				Qualifier 1 Value 9	Qualifier 2 Value 9
				Qualifier 1 Value 10	Qualifier 2 Value 10
				Qualifier 1 Value 11	Qualifier 2 Value 11
				Qualifier 1 Value 12	Qualifier 2 Value 12
				Qualifier 1 Value 13	Qualifier 2 Value 13
				Qualifier 1 Value 14	Qualifier 2 Value 14
				Qualifier 1 Value 15	Qualifier 2 Value 15
				Qualifier 1 Value 16	Qualifier 2 Value 16
				Qualifier 1 Value 17	Qualifier 2 Value 17
				Qualifier 1 Value 18	Qualifier 2 Value 18
				Qualifier 1 Value 19	Qualifier 2 Value 19
				Qualifier 1 Value 20	Qualifier 2 Value 20
				Qualifier 1 Value 21	Qualifier 2 Value 21
				Qualifier 1 Value 22	Qualifier 2 Value 22
				Qualifier 1 Value 23	Qualifier 2 Value 23
				Qualifier 1 Value 24	Qualifier 2 Value 24
				Qualifier 1 Value 25	Qualifier 2 Value 25
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				Qualifier 1 Value 27	Qualifier 2 Value 27
				Qualifier 1 Value 28	Qualifier 2 Value 28
				Qualifier 1 Value 29	Qualifier 2 Value 29
				Qualifier 1 Value 30	Qualifier 2 Value 30
				Qualifier 1 Value 31	Qualifier 2 Value 31
				Qualifier 1 Value 32	Qualifier 2 Value 32
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				Qualifier 1 Value 34	Qualifier 2 Value 34
				Qualifier 1 Value 35	Qualifier 2 Value 35
				Qualifier 1 Value 36	Qualifier 2 Value 36
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				Qualifier 1 Value 38	Qualifier 2 Value 38
				Qualifier 1 Value 39	Qualifier 2 Value 39
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				Qualifier 1 Value 41	Qualifier 2 Value 41
				Qualifier 1 Value 42	Qualifier 2 Value 42
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				Qualifier 1 Value 168	Qualifier 2 Value 168
				Qualifier 1 Value 169	Qualifier 2 Value 169
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				Qualifier 1 Value 182	Qualifier 2 Value 182
				Qualifier 1 Value 183	Qualifier 2 Value 183
				Qualifier 1 Value 184	Qualifier 2 Value 184
				Qualifier 1 Value 185	Qualifier 2 Value 185
				Qualifier 1	

DMR Copy of Record

Permit	PRR053093	Permittee:	AES PUERTO RICO, LP	Facility:	AES PUERTO RICO, L.P.
Permit #:	No	Permittee Address:	Road #3 km. 142 Jobos Ward Guayama, PR 00784	Facility Location:	ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	001 External Outfall	Discharge:	001-Q1 Water Transportation Facilities		

Report Dates & Status		Status:	NetDMR Validated
Monitoring Period:	From 10/01/16 to 12/31/16	DMR Due Date:	02/28/17

Considerations for Form Completion	
Principal Executive Officer	
First Name:	Manuel
Last Name:	Malta
Title:	Plant Manager
Telephone:	787-866-8117

Form NODI:		Monitoring Location		Season	Param. NODI	Quantity or Loading		Quality or Concentration		# of Ex. Frequency of Analysis		Sample Type
Code	Parameter Name	1 - Effluent Gross	2 - Effluent Gross	3 - Effluent Gross	4 - Effluent Gross	Qualifier 1 Value 1	Qualifier 2 Value 2	Qualifier 3 Value 3	Qualifier 4 Value 4	Units	Units	
01045	Iron, total [as Fe]	1 - Effluent Gross	0	0	0	0.776	1 MAXIMUM	19 - ng/L	19 - ng/L	0190 - Quarterly	0190 - Quarterly	GR - GRAB
01051	Lead, total [as Pb]	1 - Effluent Gross	0	0	0	0.002	1 MAXIMUM	19 - ng/L	19 - ng/L	0190 - Quarterly	0190 - Quarterly	GR - GRAB
X 01092	Zinc, total [as Zn]	1 - Effluent Gross	0	0	0	287	90 MAXIMUM	28 - ug/L	28 - ug/L	0190 - Quarterly	0190 - Quarterly	GR - GRAB
X 01105	Aluminum, total [as Al]	1 - Effluent Gross	0	0	0	1.13	75 MAXIMUM	19 - ng/L	19 - ng/L	0190 - Quarterly	0190 - Quarterly	GR - GRAB

Submission Note
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Parameter		Monitoring Location		Field	Type	Description	Acknowledge
Code	Name						
01092	Zinc, total [as Zn]	1 - Effluent Gross		Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes
01105	Aluminum, total [as Al]	1 - Effluent Gross		Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments

Attachments
No attachments

Report Last Saved By	AES PUERTO RICO, LP
User:	manuel.malta@aes.com
Name:	Manuel Malta
E-Mail:	manuel.malta@aes.com
Date/Time:	2016-12-16 08:55 (Time Zone: -05:00)



REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: November 16, 2016

CONTRACT: AES - Guayama

LAB. SAMPLE ID: BEL-1603816
SAMPLE COLLECTED BY: Client (H. Ávila)
DATE RECEIVED: 10/20/16

SAMPLE DATE: 10/19/16
TIME: 13:20

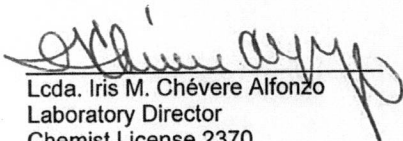
DESCRIPTION: Stormwater 001
LAB. FILE ID: 1603816
MATRIX: Water

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1603816 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	1.13	0.005	BTR	11/15/16
Iron	200.7(ICAP)	Grab	mg/L	0.776	0.010	BTR	11/15/16
Lead	200.7(ICAP)	Grab	mg/L	<0.002	0.002	BTR	11/15/16
Zinc	200.7(ICAP)	Grab	mg/L	0.287	0.002	BTR	11/15/16

Sample was preserved in the laboratory.

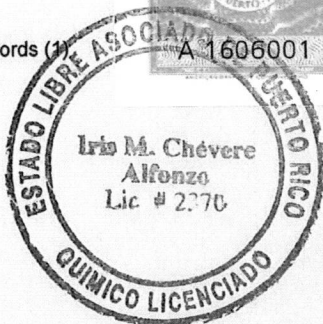
Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.


Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370



Attachment: Chain of Custody Records (1)



PAGE 1 OF 1

THE NELAC CERTIFIED ANALYSES MEET ALL REQUIREMENTS OF NELAC STANDARDS.
REFER OUR SERVICE DEPARTMENT FOR THE CURRENT LIST OF CERTIFIED ANALYSES.
CERTIFIED BY STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATION SERVICES FOR ENVIRONMENTAL TESTING
•CERTIFICATION NUMBER E87556•
CERTIFIED BY THE PUERTO RICO DEPARTMENT OF HEALTH (PRDOH) EPA CODE #PR00012
192 VILLA STREET • PONCE, PR 00730-4875 • TEL. (787) 841-7373 • FAX (787) 841-7313

BECKTON ENVIRONMENTAL LABORATORIES

192 Villa Street • Ponce, P.R. 00730-4875
Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROJECT NO.	COMPANY <i>AES Guayama</i>	SAMPLE <i>H. Avila / client</i>
SAMPLE LOCATION/CLIENT ID <i>Stormwater 001</i>	TIME <i>13:20 AM</i>	CONTROL NO. <i>187522</i>
SAMPLE DATE <i>10-19-16</i>	BEL. NO. <i>1603816</i>	

1. General Environmental:	PC	VSS	PC
Acidity ()	—	Alkalinity ()	—
Ammonia as N ()	—	Bicarbonate ()	—
BOD-5 ()	—	Bromide ()	—
Chloride ()	—	Chlorine, Res. ()	—
COD ()	—	Color (ADMI) ()	—
Conductivity μ mhos/cm ()	—	Color (Pt-Co) ()	—
Dissolved Oxygen ()	—	Cyanide ()	—
Hardness ()	—	Fluoride ()	—
Moisture % ()	—	Iodide ()	—
Nitrite ()	—	Nitrate ()	—
Oil+Grease ()	—	Nitrate + Nitrite ()	—
Phenol ()	—	pH, S.U. ()	—
Phosphorus, Total ()	—	Phosphate, Ortho ()	—
Sett Solids mg/L ()	—	Sett. Solids mL/L ()	—
Sulfate ()	—	Solids, Total ()	—
Sulfite ()	—	Sulfide ()	—
TDS ()	—	Surfactant ()	—
Temperature, °C ()	—	TSS ()	—
TOC ()	—	TKN ()	—
Asbestos ()	—	Turbidity ()	—
TVS ()	—	Carbonate ()	—
Total Nitrogen ()	—		
2. Metals:			
Aluminum (Al) (X) <i>1.3</i>		Cadmium (Cd) ()	—
Chromium (Cr) ()	—	Copper (Cu) ()	—
Iron (Fe) (X) <i>1.3</i>		Lead (Pb) (X) <i>1.2</i>	
Manganese (Mn) ()	—	Mercury (Hg) ()	—
Nickel (Ni) ()	—	Selenium (Se) ()	—
Silver (Ag) ()	—	Tin (Sn) ()	—
Zinc (Zn) (X) <i>1.2</i>		Arsenic (As) ()	—
Barium (Ba) ()	—	Boron (B) ()	—
Antimony (Sb) ()	—	Beryllium (Be) ()	—
Bismuth (Bi) ()	—	Calcium (Ca) ()	—
Chromium, VI (CrVI) ()	—	Cobalt (Co) ()	—
Magnesium (Mg) ()	—	Molybdenum (Mo) ()	—
Potassium (K) ()	—	Silicon (Si) ()	—
Sodium (Na) ()	—	Strontium (Sr) ()	—
Thallium (Tl) ()	—	Titanium (Ti) ()	—
Vanadium (V) ()	—	Lithium (Li) ()	—

3. RCRA/Hazardous wastes

Ignitability (Flash Pt.) ()	—
Reactivity (CN & S) ()	—
RCRA Metals ()	—
Organics-BNA ()	—
TOX ()	—

4. Specific Organics

Volatiles ()	—
Pesticides/PCB's ()	—
Herbicides ()	—
BTEX ()	—
TTO & Dioxin ()	—

5. Microbiology

Fecal Coliform ()	—
--------------------	---

Corrosivity ()	—
TCLP ()	—
Organics-Pest/Herb ()	—
Organics-VOA ()	—

Phenols GC ()	—
Semi-Volatiles (BNA) ()	—
PCB's Only ()	—
TPH 418.1 ()	—
TTO ()	—
TPH 8015 ()	—
Lindane ()	—

Total Coliform ()	—
--------------------	---

Sampling Witness: _____

Date/Time: _____

Relinquished by: _____

Date/Time: *10/20/16 9:20*Received by: *River*Date/Time: *10-20-16 9:20*Relinquished by: *River*Date/Time: *10-20-16 11:22 AM*Received by: *RL*Date/Time: *10/20/16 11:22am*

Relinquished by: _____

Date/Time: _____

Received by: _____

Date/Time: _____

Matrix

air ()	water (X)	sludge ()
liquid ()	soil ()	solid ()
oil ()	mixed ()	other ()

Specify: _____

Preservative Codes = PC

- | | |
|---|---------------------------|
| 1. Cool, <6°C | 6. Sodium Hydroxide(NaOH) |
| 2. Sulfuric Acid (H ₂ SO ₄) pH<2 | 7. Zinc Acetate |
| 3. Nitric Acid (HNO ₃), pH<2 | 8. Ascorbic Acid |
| 4. Hydrochloric acid (HCl) | 9. FAS |
| 5. Sodium Thiosulfate | 10. Other |

Sample type legend:

grab samples	x
composite samples	xx

Turnaround time: Sampling Equipment:

1 day ()	Automatic Sampler ()
2 days ()	Sample Pick Up ()
3 days ()	
5 days ()	

Note: normal turnaround time is ten (10) working days;
additional charges apply for rush orders.

Comments: _____

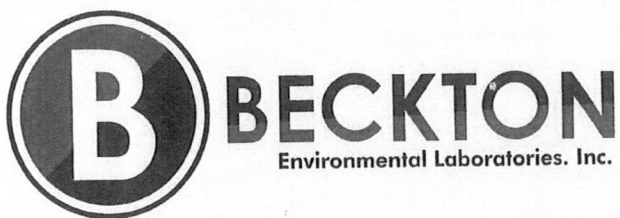
Original

DMR Copy of Record

Permit		Permittee:		Facility:	
Permit #:	PRR05083	Permittee Address:	AES PUERTO RICO, LP		AES PUERTO RICO, L.P.
Major:	No	Discharge:	Road #3 km. 142 Jobos Ward Guayama, PR 00784		ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784
Permitted Feature:	002 External Outfall		002-O1 Steam Electric Generating Facilities		
Report Dates & Status		DMR Due Date:		Status:	
Monitoring Period:	From 10/01/16 to 12/31/16	02/28/17		NetDMR Validated	
Considerations for Form Completion					
Principal Executive Officer					
First Name:	Manuel	Title:	Plant Manager		Telephone:
Last Name:	Mata				
No Data Indicator (NODI)					
Form NODI:	Monitoring Location	Season	# Param.	NODI	
Parameter Code	Name	Quantity or Loading	Qualifier 1	Qualifier 2	Qualifier 3
01045	Iron, total (as Fe)	1 - Effluent Gross	0	--	--
Submission Note					
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.					
Edit Check Errors					
No errors.					
Comments					
Attachments					
No attachments.					
Report Last Saved By					
AES PUERTO RICO, LP					
User:	manuel.mata@aes.com	Date/Time:	2016-12-16 08:46 (Time Zone: -05:00)		
Name:	Manuel Mata				
E-Mail:	manuel.mata@aes.com				

DMR Copy of Record

Permit		Permittee:		Facility:	
Permit #:	PRR053093	AES PUERTO RICO, LP		AES PUERTO RICO, LP	
Major:	No	Road #3 km. 142 Jobos Ward		ROAD #3 KM. 142 JOBOS WARD	
		Guayama, PR 00784		GUAYAMA, PR 00784	
Permitted Feature:		Discharge:			
002 External Outfall		002-Q1			
		Water Transportation Facilities			
Report Dates & Status					
Monitoring Period:		DMR Due Date:		Status:	
From 10/01/16 to 12/31/16		02/28/17		NetDMR Validated	
Considerations for Form Completion					
Principal Executive Officer					
First Name:		Title:		Telephone:	
Manuel		Plant Manager		787-866-8117	
Last Name:					
Manuel					
No Data Indicator (NODI)					
Form NODI:					
Parameter Code	Name	Monitoring Location	Season	Param. NODI	Quantity of Loading
					Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 3 Value 3 Units # of Ex. Frequency of Analysis Sample Type
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI
					0.222 1 MAXIMUM 19 - mg/L 19 - mg/L GR - GRAB
01051	Lead, total [as Pb]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI
					0.002 21 MAXIMUM 19 - mg/L 19 - mg/L GR - GRAB
01092	Zinc, total [as Zn]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI
					38 90 MAXIMUM 28 - ug/L 28 - ug/L GR - GRAB
01105	Aluminum, total [as Al]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI
					0.207 75 MAXIMUM 19 - mg/L 19 - mg/L GR - GRAB
Submission Note					
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.					
Edit Check Errors					
No errors.					
Comments					
Attachments					
No attachments					
Report Last Saved By					
AES PUERTO RICO, LP					
User:	manuel.mata@aes.com	Date/Time:	2016-12-16 08:56 (Time Zone: -05:00)		
Name:	Manuel Mata				
E-Mail:	manuel.mata@aes.com				



REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: November 16, 2016

CONTRACT: AES - Guayama

LAB. SAMPLE ID: BEL-1603817
SAMPLE COLLECTED BY: Client (H. Ávila)
DATE RECEIVED: 10/20/16

SAMPLE DATE: 10/18/16
TIME: 11:49

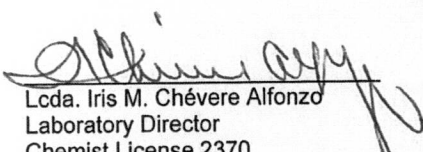
DESCRIPTION: Stormwater 002
LAB. FILE ID: 1603817
MATRIX: Water

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1603817 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	0.207	0.005	BTR	11/15/16
Iron	200.7(ICAP)	Grab	mg/L	0.222	0.010	BTR	11/15/16
Lead	200.7(ICAP)	Grab	mg/L	<0.002	0.002	BTR	11/15/16
Zinc	200.7(ICAP)	Grab	mg/L	0.038	0.002	BTR	11/15/16

Sample was preserved in the laboratory.

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.


Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370

Attachment: Chain of Custody Records



PAGE 1 OF 1

THE NELAC CERTIFIED ANALYSES MEET ALL REQUIREMENTS OF NELAC STANDARDS.
REFER OUR SERVICE DEPARTMENT FOR THE CURRENT LIST OF CERTIFIED ANALYSES.
CERTIFIED BY STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATION SERVICES FOR ENVIRONMENTAL TESTING
•CERTIFICATION NUMBER E87556•
CERTIFIED BY THE PUERTO RICO DEPARTMENT OF HEALTH (PRDOH) EPA CODE #PR00012
192 VILLA STREET • PONCE, PR 00730-4875 • TEL. (787) 841-7373 • FAX (787) 841-7313

BECKTON ENVIRONMENTAL LABORATORIES

192 Villa Street • Ponce, P.R. 00730-4875

Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROJECT NO.	COMPANY <i>AES Guayama</i>	SAMPLER <i>H. Avila / diat</i>
SAMPLE LOCATION/CLIENT ID <i>stormwater 002</i>	TIME <i>11:49 AM</i>	CONTROL NO. <i>187557</i>
SAMPLE DATE <i>10-18-16</i>	BEL. NO. <i>1603817</i>	

1. General Environmental:	PC	VSS	PC
Acidity ()	—	Alkalinity ()	—
Ammonia as N ()	—	Bicarbonate ()	—
BOD-5 ()	—	Bromide ()	—
Chloride ()	—	Chlorine, Res. ()	—
COD ()	—	Color (ADMI) ()	—
Conductivity μ mhos/cm ()	—	Color (Pt-Co) ()	—
Dissolved Oxygen ()	—	Cyanide ()	—
Hardness ()	—	Fluoride ()	—
Moisture % ()	—	Iodide ()	—
Nitrite ()	—	Nitrate ()	—
Oil+Grease ()	—	Nitrate + Nitrite ()	—
Phenol ()	—	pH, S.U. ()	—
Phosphorus, Total ()	—	Phosphate, Ortho ()	—
Sett Solids mg/L ()	—	Sett. Solids mL/L ()	—
Sulfate ()	—	Solids, Total ()	—
Sulfite ()	—	Sulfide ()	—
TDS ()	—	Surfactant ()	—
Temperature, °C ()	—	TSS ()	—
TOC ()	—	TKN ()	—
Asbestos ()	—	Turbidity ()	—
TVS ()	—	Carbonate ()	—
Total Nitrogen ()	—		
2. Metals:			
Aluminum (Al) (X) <i>1.3</i>	—	Cadmium (Cd) ()	—
Chromium (Cr) ()	—	Copper (Cu) ()	—
Iron (Fe) (X) <i>1.3</i>	—	Lead (Pb) (X) <i>1.3</i>	—
Manganese (Mn) ()	—	Mercury (Hg) ()	—
Nickel (Ni) ()	—	Selenium (Se) ()	—
Silver (Ag) ()	—	Tin (Sn) ()	—
Zinc (Zn) (X) <i>1.2</i>	—	Arsenic (As) ()	—
Barium (Ba) ()	—	Boron (B) ()	—
Antimony (Sb) ()	—	Beryllium (Be) ()	—
Bismuth (Bi) ()	—	Calcium (Ca) ()	—
Chromium, VI (CrVI) ()	—	Cobalt (Co) ()	—
Magnesium (Mg) ()	—	Molybdenum (Mo) ()	—
Potassium (K) ()	—	Silicon (Si) ()	—
Sodium (Na) ()	—	Strontium (Sr) ()	—
Thallium (Tl) ()	—	Titanium (Ti) ()	—
Vanadium (V) ()	—	Lithium (Li) ()	—
3. RCRA/Hazardous wastes			
Ignitability (Flash Pt.) ()	—	Corrosivity ()	—
Reactivity (CN & S) ()	—	TCLP ()	—
RCRA Metals ()	—	Organics-Pest/Herb ()	—
Organics-BNA ()	—	Organics-VOA ()	—
TOX ()	—		
4. Specific Organics			
Volatiles ()	—	Phenols GC ()	—
Pesticides/PCB's ()	—	Semi-Volatiles (BNA) ()	—
Herbicides ()	—	PCB's Only ()	—
BTEX ()	—	TPH 418.1 ()	—
TTO & Dioxin ()	—	TTO ()	—
		TPH 8015 ()	—
		Lindane ()	—
5. Microbiology			
Fecal Coliform ()	—	Total Coliform ()	—

Comments:

Sampling Witness: _____

Date/Time: _____

Relinquished by: _____

Date/Time: *10-20-16 9:20*Received by: *[Signature]*Date/Time: *10-20-16 9:20*Relinquished by: *[Signature]*Date/Time: *10-20-16 11:22 AM*Received by: *[Signature]*Date/Time: *10/20/16 11:22am*

Relinquished by: _____

Date/Time: _____

Received by: _____

Date/Time: _____

Matrix

air ()	water (X)	sludge ()
liquid ()	soil ()	solid ()
oil ()	mixed ()	other ()

Specify: _____

Preservative Codes = PC

- | | |
|---|---------------------------|
| 1. Cool, <6°C | 6. Sodium Hydroxide(NaOH) |
| 2. Sulfuric Acid (H ₂ SO ₄) pH<2 | 7. Zinc Acetate |
| 3. Nitric Acid (HNO ₃), pH<2 | 8. Ascorbic Acid |
| 4. Hydrochloric acid (HCl) | 9. FAS |
| 5. Sodium Thiosulfate | 10. Other |

Sample type legend:

grab samples	x
composite samples	xx

Turnaround time: Sampling Equipment:

1 day ()	Automatic Sampler ()
2 days ()	Sample Pick Up ()
3 days ()	
5 days ()	

Note: normal turnaround time is ten (10) working days;
additional charges apply for rush orders.

Original

DMR Copy of Record

Permit		Permittee:		Facility:	
Permit #:	PRR05093	Permittee Address:		Facility Location:	
Major:	No	AES PUERTO RICO, LP Road #3 km. 142 Jobos Ward Guayama, PR 00784		AES PUERTO RICO, L.P. ROAD #3 KM. 142 JOBOS WARD GUAYAMA, PR 00784	
Permitted Feature:		Discharge:			
003 External Outfall		003-O1 Steam Electric Generating Facilities			
Report Dates & Status		DMR Due Date:		Status:	
Monitoring Period: From 10/01/16 to 12/31/16		02/28/17		NetDMR Validated	
Considerations for Form Completion					
Principal Executive Officer					
First Name:		Title:		Telephone:	
Manuel		Plant Manager		787-866-8117	
Last Name:					
Mata					
No Data Indicator (NODI)					
Form NODI:		Monitoring Location Season # Param. NODI		Quantity or Loading	
Parameter Code	Name	Qualifier 1	Value 1	Qualifier 2	Value 2
01045	iron, total (as Fe)	1 - Effluent Gross	0	--	--
		Sample Permit Req. Value NODI	Qualifier 3	Value 3	Units
			=	0.188	19 - mg/L
			<=	1 MAXIMUM	19 - mg/L
				0190 - Quarterly	GR - GRAB
				0190 - Quarterly	GR - GRAB
Submission Note					
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.					
Edit Check Errors					
No errors.					
Comments					
Attachments					
No attachments.					
Report Last Saved By					
AES PUERTO RICO, LP					
User:	manuel.mata@aes.com				
Name:	Manuel Mata				
E-Mail:	manuel.mata@aes.com				
		Date/Time:		2016-11-28 09:08 (Time Zone: -05:00)	

Permit #: PRR063093	Permittee: AES PUERTO RICO, LP	Facility: AES PUERTO RICO, L.P.
Major: No	Permittee Address: Road #3 km. 142, Jobos Ward Guayama, PR 00784	Facility Location: ROAD #3 KM. 142, JOBOS WARD GUAYAMA, PR 00784
Permitted Feature: 003 External Outfall	Discharge: 003-Q1 Water Transportation Facilities	

Report Dates & Status	DMR Due Date: 02/28/17	Status: NetDMR Validated
Monitoring Period: From 10/01/16 to 12/31/16		

Considerations for Form Completion

Principal Executive Officer		Title: Plant Manager	Telephone: 787-866-8117
First Name: Manuel			
Last Name: Mata			

No Data Indicator (NODI)

Form NODI:		Monitoring Location	Season	Param. NODI	Quantity or Loading			Quality or Concentration			# of Ex.		Frequency of Analysis	Sample Type
Code	Parameter Name				Qualifier: 1	Value 1	Qualifier: 2	Value 2	Qualifier: 3	Value 3	Units			
01045	Iron, total [as Fe]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI				=	0.188	19 - mg/L		01/90 - Quarterly	GR - GRAB
01051	Lead, total [as Pb]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI				<	0.002	19 - mg/L		01/90 - Quarterly	GR - GRAB
01092	Zinc, total [as Zn]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI				<=	21 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB
01105	Aluminum, total [as Al]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI				=	34	26 - ug/L		01/90 - Quarterly	GR - GRAB
					Sample Permit Req. Value NODI				<=	90 MAXIMUM	26 - ug/L		01/90 - Quarterly	GR - GRAB
					Sample Permit Req. Value NODI				=	0.242	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Sample Permit Req. Value NODI				<=	75 MAXIMUM	19 - mg/L		01/90 - Quarterly	GR - GRAB

Submission Note
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors
No errors.

Comments

Attachments
No attachments.

Report Last Saved By
AES PUERTO RICO, LP

User: manuel.mata@aes.com
Name: Manuel Mata
E-Mail: manuel.mata@aes.com

Date/Time: 2016-11-28 09:08 (Time Zone: -05:00)



REPORT OF ANALYSIS

ATTENTION: Mr. Héctor Ávila
COMPANY: AES Puerto Rico - Guayama

DATE: November 16, 2016

CONTRACT: AES - Guayama

LAB. SAMPLE ID: BEL-1603818
SAMPLE COLLECTED BY: Client (H. Ávila)
DATE RECEIVED: 10/20/16

SAMPLE DATE: 10/18/16
TIME: 11:55

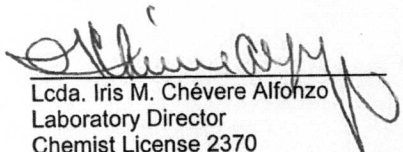
DESCRIPTION: Stormwater 003
LAB. FILE ID: 1603818
MATRIX: Water

PARAMETER	EPA METHOD	SAMPLE TYPE	UNITS	BEL-1603818 RESULT	METHOD DETECTION LIMIT	ANALYST	DATE ANALYZED
Aluminum	200.7(ICAP)	Grab	mg/L	0.242	0.005	BTR	11/15/16
Iron	200.7(ICAP)	Grab	mg/L	0.188	0.010	BTR	11/15/16
Lead	200.7(ICAP)	Grab	mg/L	<0.002	0.002	BTR	11/15/16
Zinc	200.7(ICAP)	Grab	mg/L	0.034	0.002	BTR	11/15/16

Sample was preserved in the laboratory.

Method Detection Limit (MDL)-The minimum concentration of a substance that can be measured and reported with 99% confidence that the value is above zero.

Certification and release of the data contained in the Report of Analysis has been authorized by the Laboratory Manager or the Manager's Designee. Sample results related only to the sample submitted.


Lcda. Iris M. Chévere Alfonzo
Laboratory Director
Chemist License 2370



Attachment: Chain of Custody Records (1)



PAGE 1 OF 1

THE NELAC CERTIFIED ANALYSES MEET ALL REQUIREMENTS OF NELAC STANDARDS.
REFER OUR SERVICE DEPARTMENT FOR THE CURRENT LIST OF CERTIFIED ANALYSES.
CERTIFIED BY STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATION SERVICES FOR ENVIRONMENTAL TESTING
•CERTIFICATION NUMBER E87556•
CERTIFIED BY THE PUERTO RICO DEPARTMENT OF HEALTH (PRDOH) EPA CODE #PR00012
192 VILLA STREET • PONCE, PR 00730-4875 • TEL. (787) 841-7373 • FAX (787) 841-7313

BECKTON ENVIRONMENTAL LABORATORIES

192 Villa Street • Ponce, P.R. 00730-4875

Tel. 787-841-7373 • Fax 787-841-7313

REVISION 2009

CHAIN OF CUSTODY RECORD

PROJECT NO.	COMPANY <i>AES Guayama</i>	SAMPLER <i>H. Avila / client</i>
SAMPLE LOCATION/CLIENT ID <i>Stormwater 003</i>	TIME <i>11:55 AM</i>	CONTROL NO. <i>187559</i>
SAMPLE DATE <i>10-18-16</i>	BEL. NO. <i>1603918</i>	

1. General Environmental:	PC	VSS	PC
Acidity ()	—	Alkalinity ()	—
Ammonia as N ()	—	Bicarbonate ()	—
BOD-5 ()	—	Bromide ()	—
Chloride ()	—	Chlorine, Res. ()	—
COD ()	—	Color (ADMI) ()	—
Conductivity μ mhos/cm ()	—	Color (Pt-Co) ()	—
Dissolved Oxygen ()	—	Cyanide ()	—
Hardness ()	—	Fluoride ()	—
Moisture % ()	—	Iodide ()	—
Nitrite ()	—	Nitrate ()	—
Oil+Grease ()	—	Nitrate + Nitrite ()	—
Phenol ()	—	pH, S.U. ()	—
Phosphorus, Total ()	—	Phosphate, Ortho ()	—
Sett Solids mg/L ()	—	Sett. Solids mL/L ()	—
Sulfate ()	—	Solids, Total ()	—
Sulfite ()	—	Sulfide ()	—
TDS ()	—	Surfactant ()	—
Temperature, °C ()	—	TSS ()	—
TOC ()	—	TKN ()	—
Asbestos ()	—	Turbidity ()	—
TVS ()	—	Carbonate ()	—
Total Nitrogen ()	—		
2. Metals:			
Aluminum (Al) ()	<i>1.3</i>	Cadmium (Cd) ()	—
Chromium (Cr) ()	—	Copper (Cu) ()	—
Iron (Fe) ()	<i>1.3</i>	Lead (Pb) ()	<i>1.3</i>
Manganese (Mn) ()	—	Mercury (Hg) ()	—
Nickel (Ni) ()	—	Selenium (Se) ()	—
Silver (Ag) ()	—	Tin (Sn) ()	—
Zinc (Zn) ()	<i>1.3</i>	Arsenic (As) ()	—
Barium (Ba) ()	—	Boron (B) ()	—
Antimony (Sb) ()	—	Beryllium (Be) ()	—
Bismuth (Bi) ()	—	Calcium (Ca) ()	—
Chromium, VI (CrVI) ()	—	Cobalt (Co) ()	—
Magnesium (Mg) ()	—	Molybdenum (Mo) ()	—
Potassium (K) ()	—	Silicon (Si) ()	—
Sodium (Na) ()	—	Strontium (Sr) ()	—
Thallium (Tl) ()	—	Titanium (Ti) ()	—
Vanadium (V) ()	—	Lithium (Li) ()	—

3. RCRA/Hazardous wastes

Ignitability (Flash Pt.) () —

Reactivity (CN & S) () —

RCRA Metals () —

Organics-BNA () —

TOX () —

4. Specific Organics

Volatiles () —

Pesticides/PCB's () —

Herbicides () —

BTEX () —

TTO & Dioxin () —

5. Microbiology

Fecal Coliform () —

Corrosivity () —

TCLP () —

Organics-Pest/Herb () —

Organics-VOA () —

Phenols GC () —

Semi-Volatiles (BNA) () —

PCB's Only () —

TPH 418.1 () —

TTO () —

TPH 8015 () —

Lindane () —

Total Coliform () —

Sampling Witness: _____

Date/Time: _____

Relinquished by: _____

Date/Time: *10/20/16 9:20*Received by: *Alta Kim*Date/Time: *10-20-16 9:20*Relinquished by: *Alta Kim*Date/Time: *10-20-16 11:22am*Received by: *Alta Kim*Date/Time: *10/20/16 11:22am*

Relinquished by: _____

Date/Time: _____

Received by: _____

Date/Time: _____

Matrix

air () water () sludge ()

liquid () soil () solid ()

oil () mixed () other ()

Specify: _____

Preservative Codes = PC

- | | |
|---|---------------------------|
| 1. Cool, <6°C | 6. Sodium Hydroxide(NaOH) |
| 2. Sulfuric Acid (H ₂ SO ₄) pH<2 | 7. Zinc Acetate |
| 3. Nitric Acid (HNO ₃), pH<2 | 8. Ascorbic Acid |
| 4. Hydrochloric acid (HCl) | 9. FAS |
| 5. Sodium Thiosulfate | 10. Other |

Sample type legend:

grab samples x

composite samples xx

Turnaround time: Sampling Equipment:

1 day () Automatic Sampler ()

2 days () Sample Pick Up ()

3 days ()

5 days ()

Note: normal turnaround time is ten (10) working days;

additional charges apply for rush orders.

Comments: _____

Original

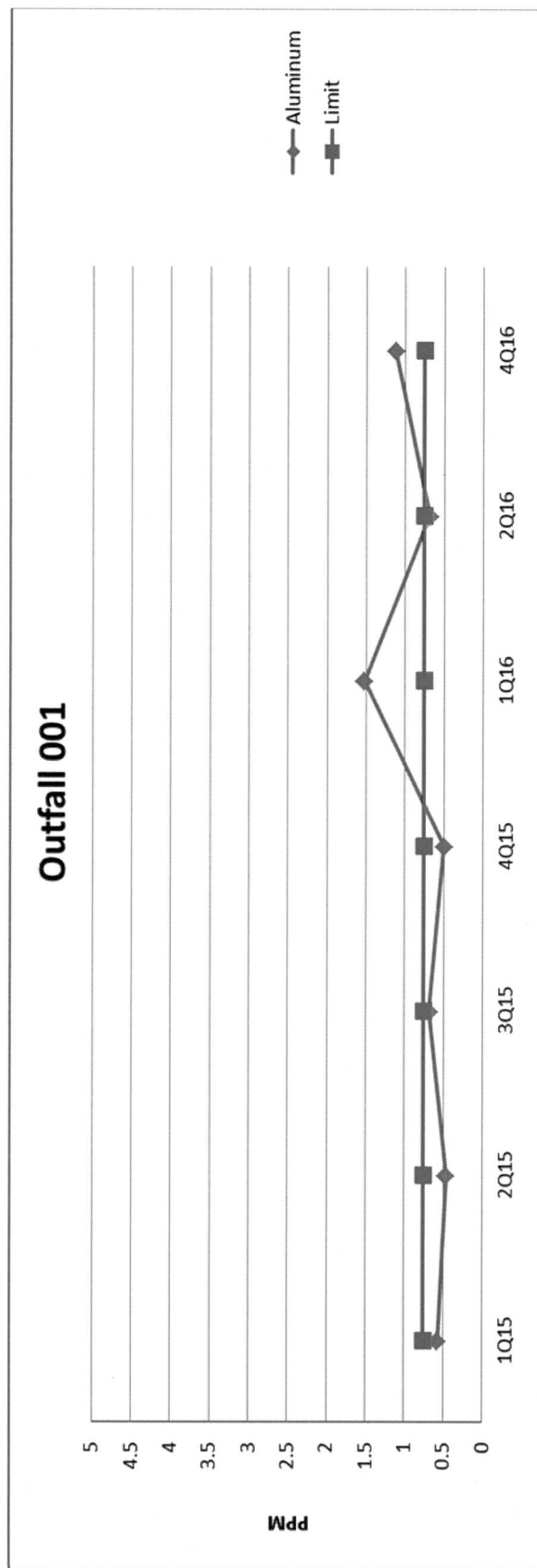
ATTACHMENT 2

Summary of Benchmark Monitoring

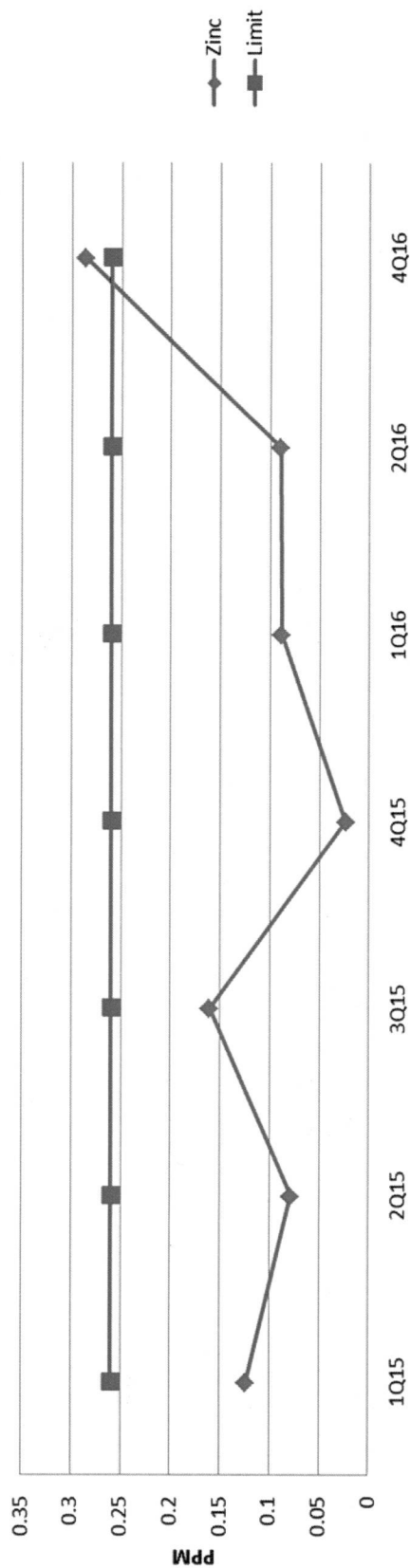
AES Puerto Rico, L.P.
Benchmark Monitoring Results Summary

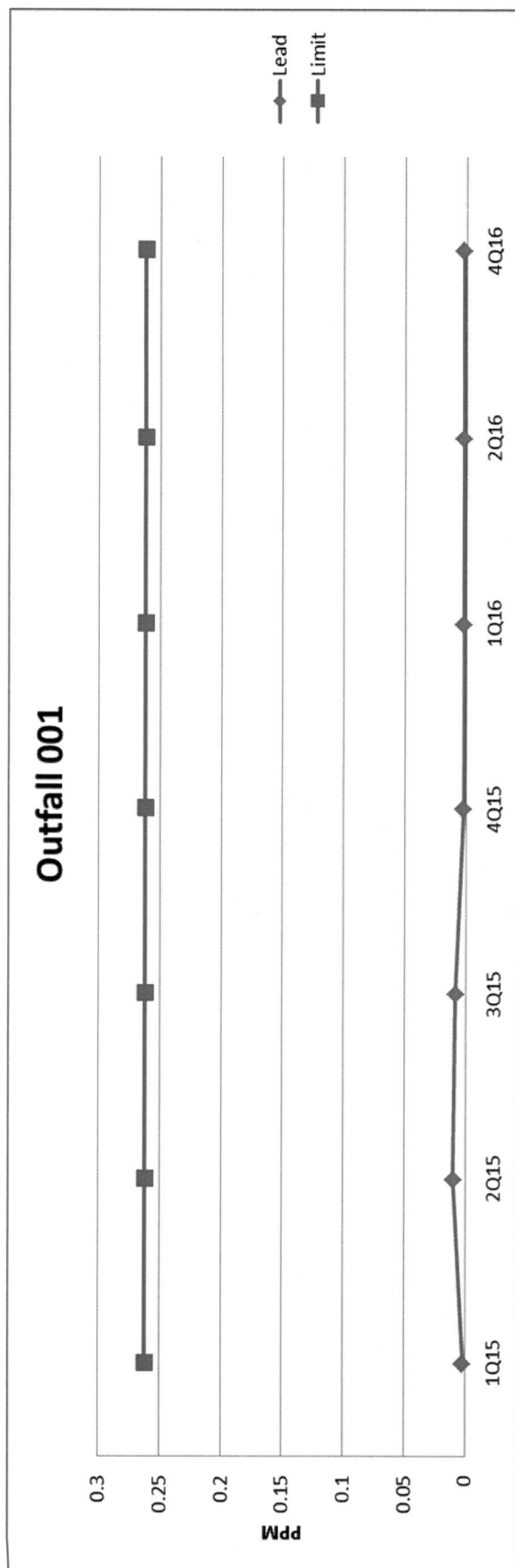
Quarter	Period	Outfall 001				Outfall 002				Outfall 003			
		Total Fe (mg/l)	Total Al (mg/l)	Total Pb (mg/l)	Total Zn (mg/l)	Total Fe (mg/l)	Total Al (mg/l)	Total Pb (mg/l)	Total Zn (mg/l)	Total Fe (mg/l)	Total Al (mg/l)	Total Pb (mg/l)	Total Zn (mg/l)
1	ENE-MAR 2016	1.18	1.52	<0.002	0.089	14.0	17.1	0.005	0.113	0.305	0.208	<0.002	0.022
2	APR-JUN 2016	0.733	0.682	<0.002	0.09	4.69	8.3	0.002	0.064	0.186	0.205	<0.002	0.036
3	JUL-SEP 2016	---	---	---	---	0.222	0.254	0.004	0.02	0.337	0.427	<0.002	0.061
4	OCT-DEC 2016	0.776	1.13	<0.002	0.287	0.222	0.207	<0.002	0.038	0.188	0.242	<0.002	0.034
Quarterly AVERAGE		0.896	1.111	<0.002	0.155	4.784	6.465	0.003	0.059	0.254	0.271	<0.002	0.038
Benchmark Concentration		1.0	0.75	0.262	0.260	1.0	0.75	0.262	0.260	1.0	0.75	0.262	0.260

ND = No Discharge
--- = Sampling Equipment Failure

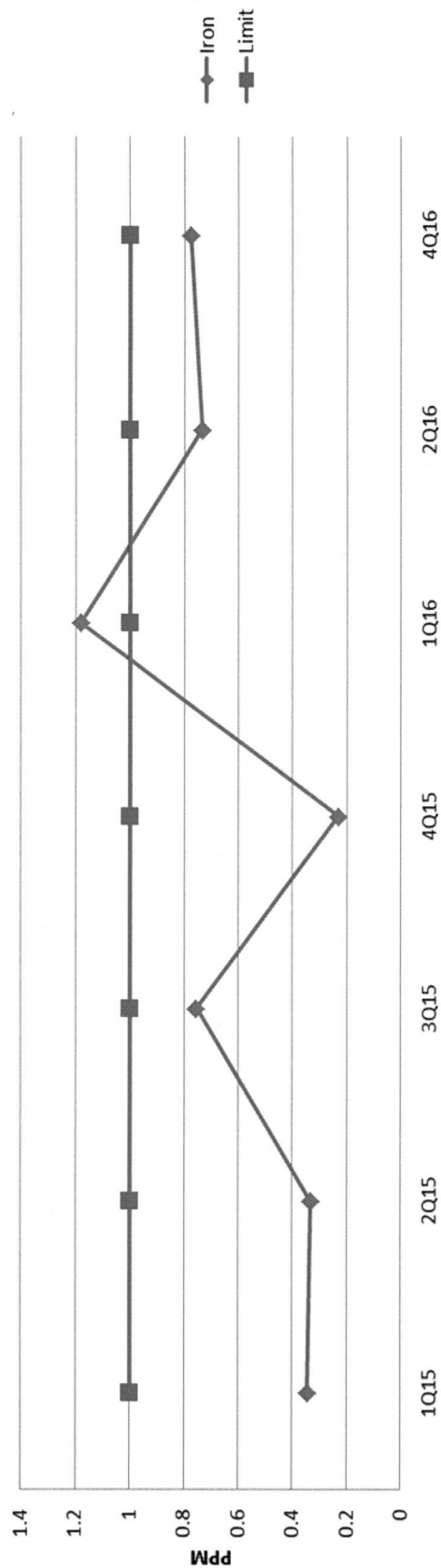


Outfall 001

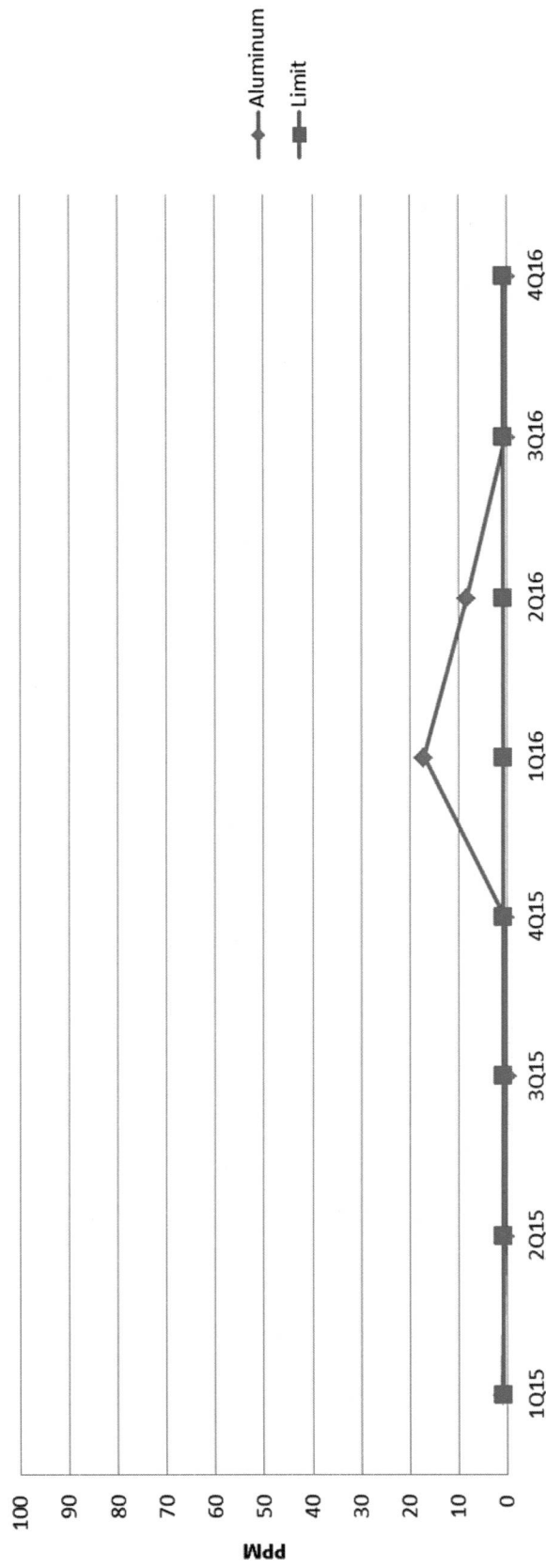




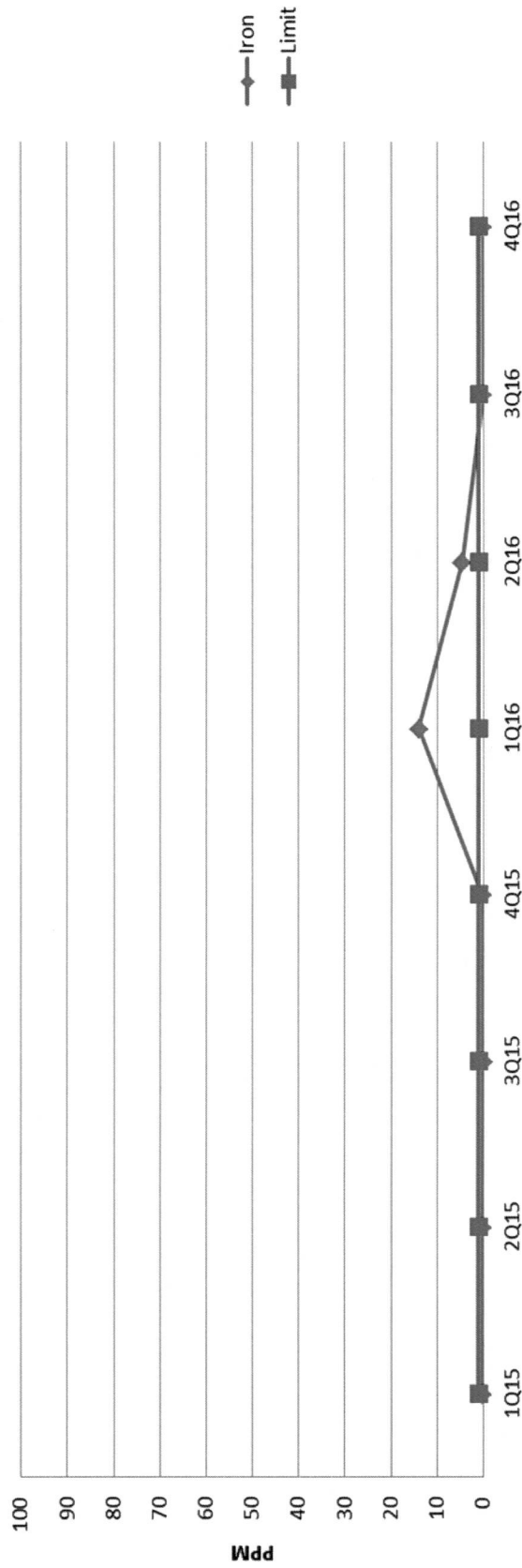
Outfall 001

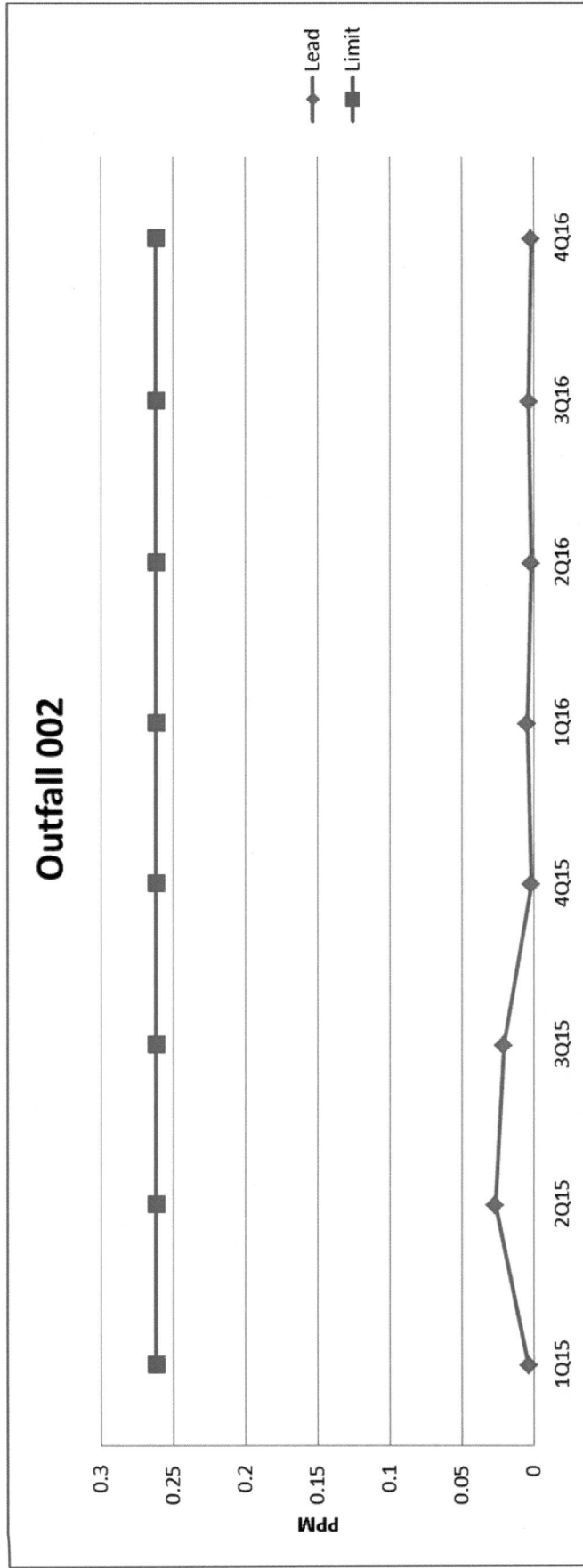


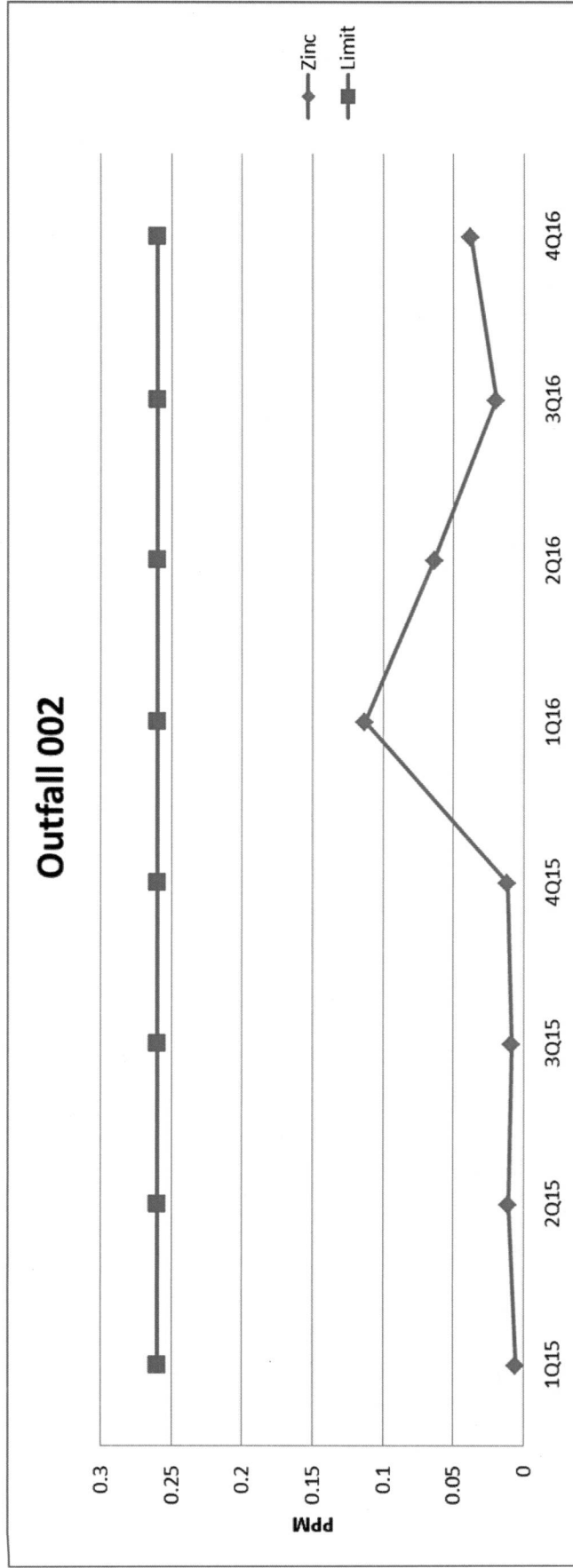
Outfall 002



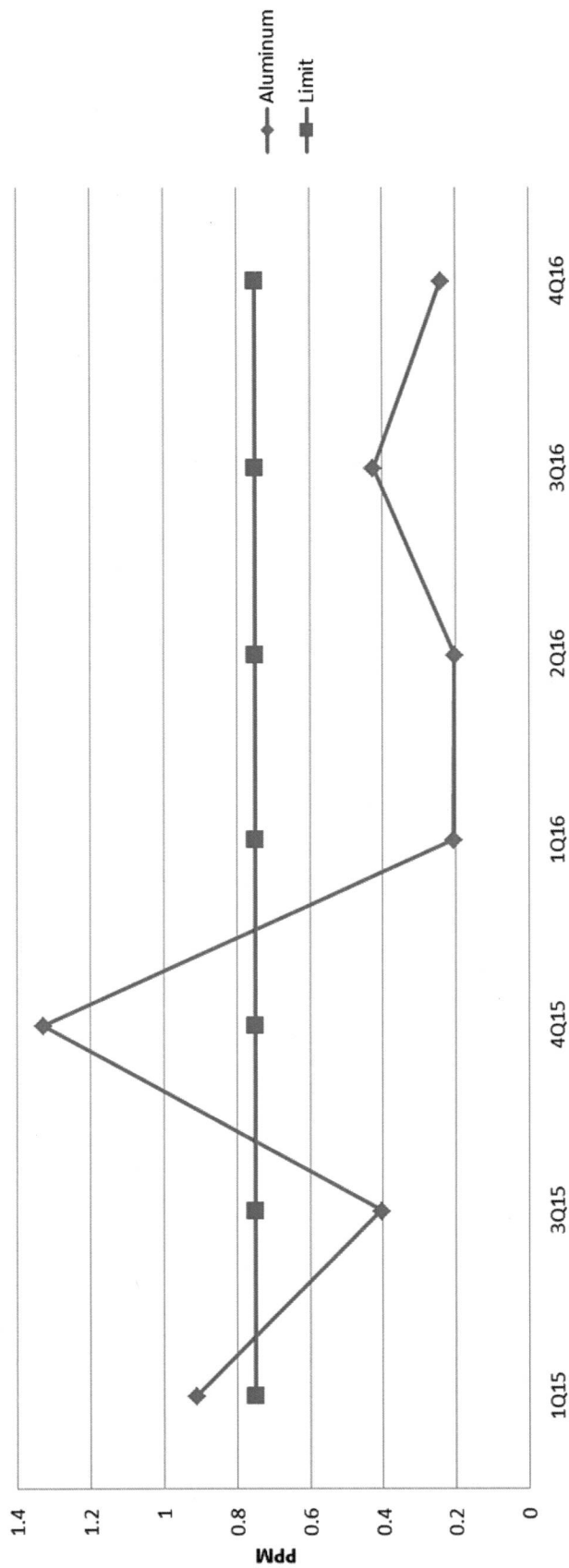
Outfall 002

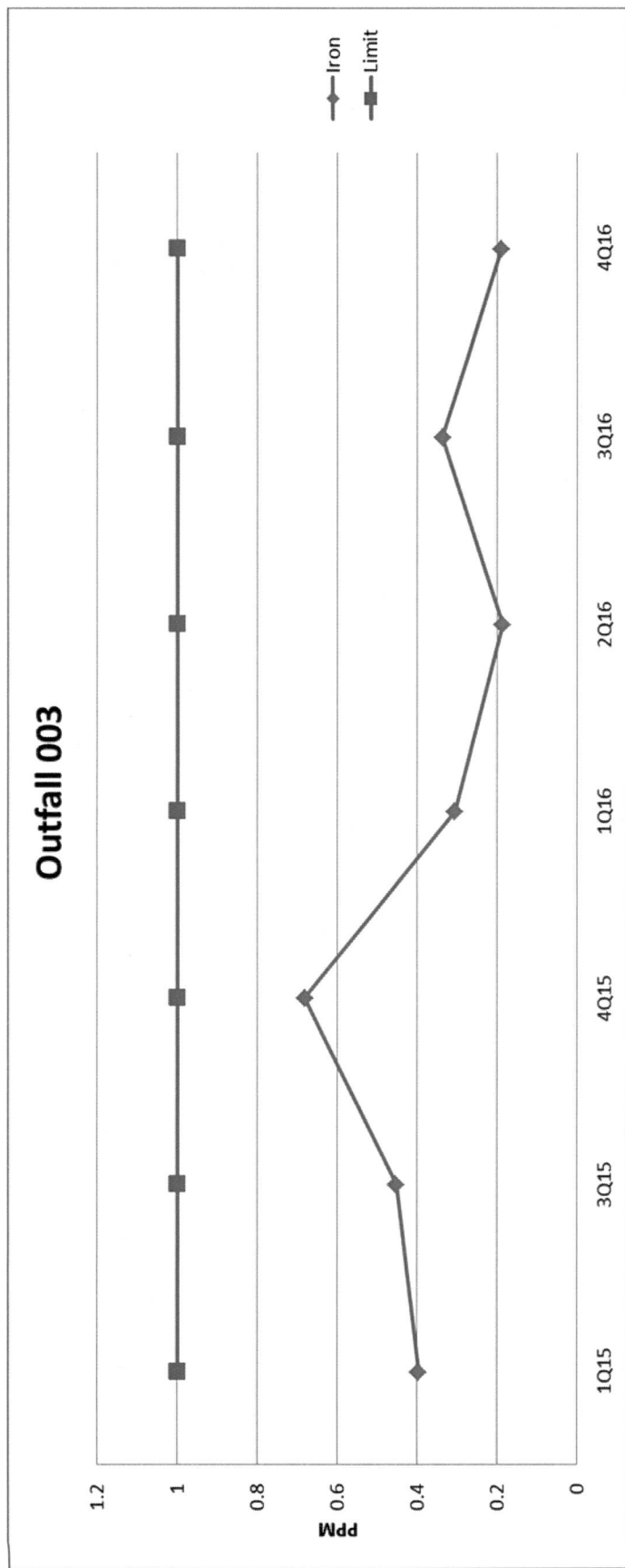


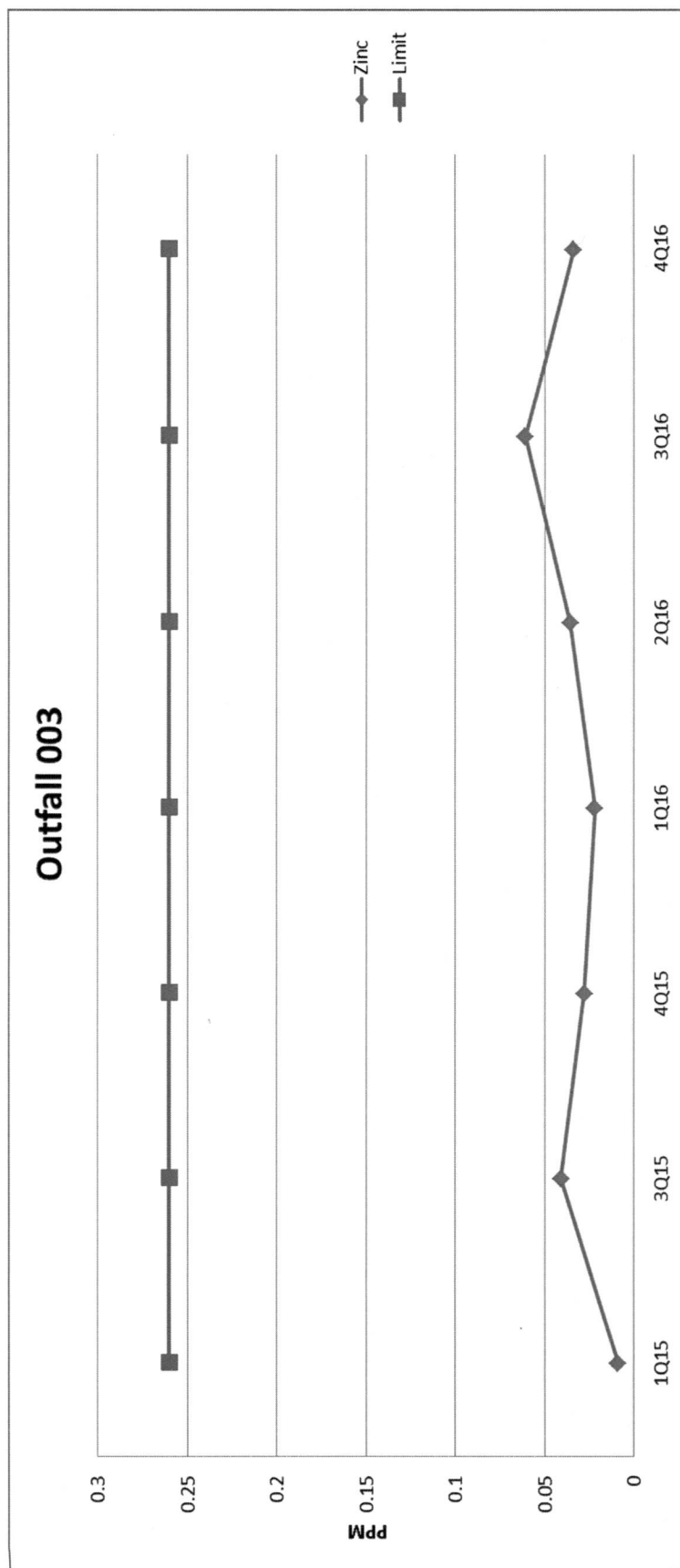


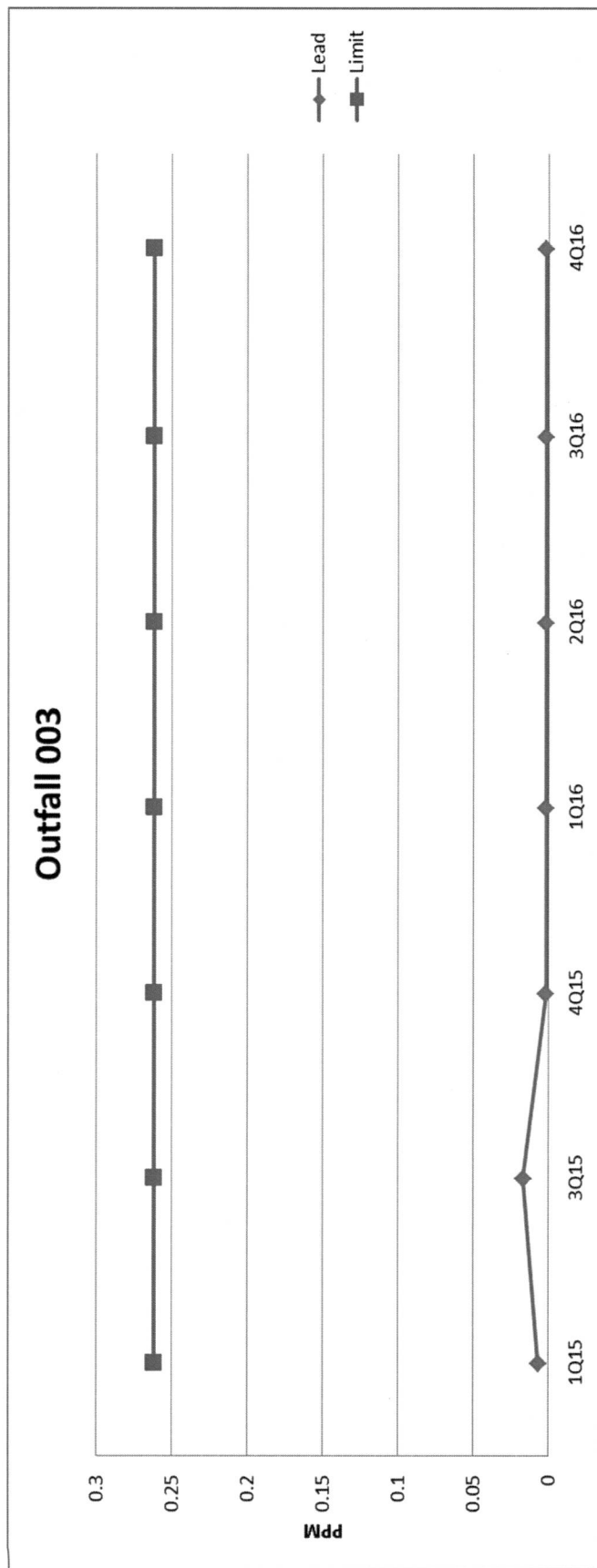


Outfall 003









ATTACHMENT 3

Routine Inspections, Visual Inspections and Corrective Actions



Storm Water Industrial Routine Facility Inspection Form

Worksheet No. 4

General Information			
Facility Name	AES Puerto Rico, LP		
NPDES Tracking No.	PRR053093		
Date of Inspection	November 15, 2016	Start/End Time	9:00 am / 11:25 pm
Inspector's Name(s)	Pedro E. Labayen		
Inspector's Title(s)	Stormwater Compliance Coordinator		
Inspector's Contact Information	(787) 866-8117 ext. 2215		
Inspector's Qualifications	Professional Engineer		
Weather Information			
Weather at time of this inspection? <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> High Winds <input type="checkbox"/> Other: Wind 7 mph			
Temperature: 88°F			
Have any previously unidentified discharges of pollutants occurred since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			
Are there any discharges occurring at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			

Control Measures

- Number the structural stormwater control measures identified in your SWPPP on your site map and list them below (add as many control measures as are implemented on-site). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required control measures at your facility.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Run-on Control (Northeast Area)				
01	Earth berm	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
02	Concrete wall	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
03	Rip rap	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
04	Concrete swale	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
05	Run-on inlet grate	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
06	Polymer secondary containment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	

AES Puerto Rico, LP
Storm Water Pollution Prevention Plan

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Firewater Pump station Area				
07	Diesel tank secondary containment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
08	Oil / Water Separator	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
East Access Road Area				
09	Concrete channel	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
10	Low wall	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
11	Concrete swale next to switch yard	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
Liquid Urea Storage Area				
12	Low wall	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
13	Slope liner	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
14	Truck secondary containment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
15	Tank secondary containment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
16	Concrete berm	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
17	Concrete channel culvert inlet	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
Oil Drums Storage				
18	Covered secondary containment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
Ash Silos- spout				
19	Ash silos	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
20	Spout connection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
21	Water spray nozzles	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	

AES Puerto Rico, LP
Storm Water Pollution Prevention Plan

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
22	Water hose	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
Diesel Fuel Storage				
23	Tank truck secondary containment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
24	Tanks secondary containment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
25	Drip pans for vehicle / equipment fueling	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
AGREMAX Stockpile				
26	Gabion wall	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
27	10 feet buffer zone	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
28	Low wall	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
32	Covered conveyors	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
35	Wheel wash	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
37	Concrete channel	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
Gate #3				
39	Road grating (2)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
40	Curb	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
41	Curb riprap	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
42	Slope liner	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
43	Outfall riprap	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	

AES Puerto Rico, LP
Storm Water Pollution Prevention Plan

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
44	Sampling Point Outfall 002	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
45	Concrete wall	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
AGREMAX Stockpile Perimeter Road				
48	Gravel cover	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
49	Concrete channel	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
50	Low wall	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
51	Run on outfall	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
Coal Stockpile				
52	Runoff pond	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
53	Super silt fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	Super silt fence was replaced at some areas as needed.
54	Sediment trap	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
55	Concrete swale	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
56	Wheel washer	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
57	Riprap in channel and slopes	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
Heavy Equipment Maintenance Shop				
61	Floor grating	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
62	Oil / Water Separator	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
63	Used oil storage tank and drums secondary containment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
64	Recyclable metals roll-off container cover	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	

AES Puerto Rico, LP
Storm Water Pollution Prevention Plan

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
Warehouse / Urea Storage Building				
65	Access road gravel cover	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
66	Earthen berm on west side	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
67	Low wall on north side	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
68	Trapezoidal swale	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
Open Area West of Cooling Tower				
69	Gravel cover	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
70	Slope liners	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
Cooling Tower				
71	Secondary containment dike	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
Water Treatment				
72	Sludge roll- off container inside clean grating	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
73	Soda ash silo secondary containment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
74	Acid / caustic tank truck unloading secondary containment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
Access Road West of Power Plant				
75	Catch basin inserts	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
76	Curb inlet	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
77	Concrete berm w/ shallow gutter and curb inlet	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
78	Mercury control chemicals covered storage dike	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
Storm Water Runoff Pond				
80	Concrete weir	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	

AES Puerto Rico, LP
Storm Water Pollution Prevention Plan

ID.	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
81	Riprap channel	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
82	Sediment accumulation control	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
83	Chemicals secondary containment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
Road North of Coal Pile Runoff Pond				
85	Coal pile runoff pond	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
86	Low wall	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
87	Riprap in channel and slopes	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
88	Concrete wall	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
89	Concrete beam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
90	Box culvert	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
91	Sampling Point Outfall 003	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
Marine Dock				
92	Collection manifold	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
93	Pier secondary containment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
94	Sampling Point Outfall 001	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
95	Conveyor TCI	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	

AES Puerto Rico, LP
Storm Water Pollution Prevention Plan

Areas of Industrial Materials or Activities exposed to stormwater

Below are some general areas that should be assessed during routine inspections. Customize this list as needed for the specific types of industrial materials or activities at your facility.

	Area/Activity	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed or Completed and Notes
1	Material loading/unloading and storage areas (Agremax, limestone, coal storage)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
2	Heavy equipment operations and maintenance areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
3	Fueling areas (heavy equipment fueling and storage tank unloading)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
4	Outdoor vehicle and equipment washing areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
5	Waste handling and disposal areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
6	Erodible stockpiles (coal, Agremax)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
7	Non-stormwater/ illicit connections	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
8	Dust generation and vehicle tracking	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
9	Water Treatment Area	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
10	Power Block Area	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
11	Administration Building Area	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
12	2 Million- gallon and 18 Million- gallon Pond Area	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
13	Marine Dock Area	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
14	Stormwater Sample Point 001	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
15	Stormwater Sample Point 002	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
16	Stormwater Sample Point 003	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AES Puerto Rico, LP
Storm Water Pollution Prevention Plan

	Area/Activity	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed or Completed and Notes
17	Run-on storm water conveyance system	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
18	Run-off storm water conveyance system	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
19	Process water conveyance system	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
20	CDS/ESP Area	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
21	Polymer application at 2 MM-gallon pond area	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
22	18 MM-gallon Pond Transfer Pumps	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
23	Coal Crusher Building	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
24	Portable Toilets	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

AES Puerto Rico, LP
Storm Water Pollution Prevention Plan

Non-Compliance

Describe any incidents of non-compliance observed and not described above:

Additional Control Measures

Describe any additional control measures needed to comply with the permit requirements:

AES Puerto Rico, LP
Storm Water Pollution Prevention Plan

Notes

Use this space for any additional notes or observations from the inspection:

CERTIFICATION STATEMENT

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Pedro E. Labayan / Env. Coord

Signature: Pedro E. Labayan Date: NOV 15, 2016



AES Puerto Rico, LP
Storm Water Pollution Prevention Plan

MSGP Quarterly Visual Assessment Form

Worksheet No. 6

(Complete a separate form for each outfall you assess)

Name of Facility: **AES Puerto Rico, L.P.**

NPDES Tracking No. **PRR053093**

Outfall Name: **003** "Substantially Identical Outfall"? ☒ No ☐ Yes

Person(s)/Title(s) collecting sample: **Hector Avila**

Person(s)/Title(s) examining sample: **Hector Avila / Environmental Coordinator**

Date & Time Discharge Began: **10/18/16 (11:45 am)** Date & Time Sample Collected: **10/18/16 (11:55 am)** Date & Time Sample Examined: **10/18/16 (12:30 pm)**

Substitute Sample? ☒ No ☐ Yes (identify quarter/year when sample was originally scheduled to be collected):

Nature of Discharge: ☒ Rainfall ☐ Snowmelt

If rainfall: Rainfall Amount: **2.09 inches** Previous Storm Ended > 72 hours ☒ Yes ☐ No*
Before Start of This Storm?

Parameter

Color ☒ None ☐ Other

Odor ☒ None ☐ Musty ☐ Sewage ☐ Sulfur ☐ Sour ☐ Petroleum/Gas _____
☐ Solvents ☐ Other (describe):

Clarity ☒ Clear ☐ Slightly Cloudy ☐ Cloudy ☐ Opaque ☐ Other

Floating Solids ☒ No ☐ Yes (describe):

Settled Solids** ☒ No ☐ Yes (describe):

Suspended Solids ☒ No ☐ Yes (describe):

Form (gently shake sample) ☒ No ☐ Yes (describe):

Oil Sheen ☒ None ☐ Flecks ☐ Globs ☐ Sheen ☐ Slick
☐ Other (describe):

Other Obvious Indicators of Stormwater Pollution ☒ No ☐ Yes (describe):

Sampling not performed due to no measurable storm event occurring that resulted in a discharge during the monitoring quarter:

☒ No ☐ Yes (describe):

* The 72-hour interval can be waived when the previous storm did not yield a measurable discharge or if you are able to document (attach applicable documentation) that less than a 72-hour interval is representative of local storm events during the sampling period.

** Observe for settled solids after allowing the sample to sit for approximately one-half hour.

Detail any concerns, additional comments, descriptions of pictures taken, and any corrective actions taken below (attach additional sheets as necessary).

Certification by Facility Responsible Official (Refer to MSGP Subpart 11 Appendix B for Signatory Requirements)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name: **Hector Avila**

B. Title: **Environmental Coordinator**

C. Signature:

D. Date Signed: **10/18/16**



AES Puerto Rico, LP
Storm Water Pollution Prevention Plan

MSGP Quarterly Visual Assessment Form

Worksheet No. 6

(Complete a separate form for each outfall you assess)

Name of Facility: AES Puerto Rico, L.P.

NPDES Tracking No. PRR053093

Outfall Name: 001

"Substantially Identical Outfall"? ☒ No ☐ Yes

Person(s)/Title(s) collecting sample: Hector Avila

Person(s)/Title(s) examining sample: Hector Avila / Environmental Coordinator

Date & Time Discharge Began: (10/19/16 1:15 pm) Date & Time Sample Collected: (10/19/16 1:20 pm) Date & Time Sample Examined: (10/19/16 2:00 pm)

Substitute Sample? ☒ No ☐ Yes (identify quarter/year when sample was originally scheduled to be collected):

Nature of Discharge: ☒ Rainfall ☐ Snowmelt

If rainfall: Rainfall Amount: 0.92 inches Previous Storm Ended > 72 hours ☐ Yes ☒ No*
Before Start of This Storm?

Parameter

Color ☒ None ☐ Other (describe):

Odor ☒ None ☐ Musty ☐ Sewage ☐ Sulfur ☐ Sour ☐ Petroleum/Gas _____
☐ Solvents ☐ Other (describe):

Clarity ☒ Clear ☐ Slightly Cloudy ☐ Cloudy ☐ Opaque ☐ Other

Floating Solids ☒ No ☐ Yes (describe):

Settled Solids** ☒ No ☐ Yes (describe):

Suspended Solids ☒ No ☐ Yes (describe):

Form (gently shake sample) ☒ No ☐ Yes (describe):

Oil Sheen ☒ None ☐ Flecks ☐ Globs ☐ Sheen ☐ Slick
☐ Other (describe):

Other Obvious Indicators of Stormwater Pollution ☒ No ☐ Yes (describe):

Sampling not performed due to no measurable storm event occurring that resulted in a discharge during the monitoring quarter:

☒ No ☐ Yes (describe):

* The 72-hour interval can be waived when the previous storm did not yield a measurable discharge or if you are able to document (attach applicable documentation) that less than a 72-hour interval is representative of local storm events during the sampling period.

** Observe for settled solids after allowing the sample to sit for approximately one-half hour.

Detail any concerns, additional comments, descriptions of pictures taken, and any corrective actions taken below (attach additional sheets as necessary).

Certification by Facility Responsible Official (Refer to MSGP Subpart 11 Appendix B for Signatory Requirements)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name: Hector Avila

B. Title: Environmental Coordinator

C. Signature:

D. Date Signed: 10/19/16



AES Puerto Rico, LP
Storm Water Pollution Prevention Plan

MSGP Quarterly Visual Assessment Form

Worksheet No. 6

(Complete a separate form for each outfall you assess)

Name of Facility: AES Puerto Rico, L.P.

NPDES Tracking No. PRR053093

Outfall Name: 002 "Substantially Identical Outfall"? ☒ No ☐ Yes

Person(s)/Title(s) collecting sample: Hector Avila

Person(s)/Title(s) examining sample: Hector Avila / Environmental Coordinator

Date & Time Discharge Began: 10/18/16 (11:44 am) Date & Time Sample Collected: 10/18/16 (11:49 am) Date & Time Sample Examined: 10/18/16 (12:30 pm)

Substitute Sample? ☒ No ☐ Yes (identify quarter/year when sample was originally scheduled to be collected):

Nature of Discharge: ☒ Rainfall ☐ Snowmelt

If rainfall: Rainfall Amount: 2.09 inches Previous Storm Ended > 72 hours ☒ Yes ☐ No*
Before Start of This Storm?

Parameter

Color ☒ None ☐ Other (describe):

Odor ☒ None ☐ Musty ☐ Sewage ☐ Sulfur ☐ Sour ☐ Petroleum/Gas _____
☐ Solvents ☐ Other (describe):

Clarity ☒ Clear ☐ Slightly Cloudy ☐ Cloudy ☐ Opaque ☐ Other

Floating Solids ☒ No ☐ Yes (describe):

Settled Solids** ☒ No ☐ Yes (Soil erosion from uncovered areas at the curved rip rap and public dirty road were observed. Grating inlet protection "drain guards" must be replaced. (These BMPs will be repaired as a Corrective Action.))

Suspended Solids ☒ No ☐ Yes (describe):

in (gently shake sample) ☒ No ☐ Yes (describe):

Oil Sheen ☒ None ☐ Flecks ☐ Globs ☐ Sheen ☐ Slick
☐ Other (describe):

Other Obvious Indicators of Stormwater Pollution ☒ No ☐ Yes (describe):

Sampling not performed due to no measurable storm event occurring that resulted in a discharge during the monitoring quarter:

☒ No ☐ Yes (describe):

* The 72-hour interval can be waived when the previous storm did not yield a measurable discharge or if you are able to document (attach applicable documentation) that less than a 72-hour interval is representative of local storm events during the sampling period.

** Observe for settled solids after allowing the sample to sit for approximately one-half hour.

Detail any concerns, additional comments, descriptions of pictures taken, and any corrective actions taken below (attach additional sheets as necessary).

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A. Name: Hector Avila

B. Title: Environmental Coordinator

C. Signature:

D. Date Signed: 10/18/16

Corrective Action Documentation

Instructions:

Within 24 hours of becoming aware of a condition identified in Parts 4.1 or 4.2 of the 2015 MSGP, document the existence of the condition and subsequent actions. Note that this information must be summarized in the annual report (as required in Part 7.5 of the 2015 MSGP).

Corrective Action #1

Description of Condition: A water leakage from unit 2 cooling tower circulating piping system was identified.

Date: December 28, 2016

Immediate Actions: A work notification was generated in order to coordinate piping reparation. Two submergible pumps were immediately installed in order recirculate the water back into the cooling tower basin and no process water was discharged.

Actions Taken within 14 Days: Unit 2 went offline on December 31, 2016 and started pipe leak reparation.

14 Day Infeasibility:

45 Day Extension: N/A

Date Completed: January 02, 2017

Corrective Action #2

Description of Condition: At sampling point 001 (dock area), the average of the four monitoring values for aluminum slightly exceeds the benchmark. Stormwater visual inspection and monitoring were performed on October 19, 2016.

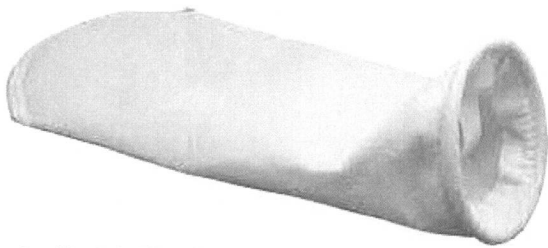
Immediate Actions: The MH personnel were informed about the problem and coordinate corrective actions immediately.

Actions Taken within 14 Days: Felt filter bags were installed in all storm water inlets at the dock area. Filtration felt is a low cost disposable media with particle retention from 1 to 200 microns. It has depth filtration qualities and high solids loading capacity.

14 Day Infeasibility: N/A

45 Day Extension: N/A

Date Completed: October 20, 2016



Pic. #1: Felt Filter Bag



Pic. #2 Felt filter bag installed at the dock area.



Pic. #3 Felt filter bag installed at the dock area storm water collection system.